

# PUEBLO

A PARTNERSHIP FOR SAFE CHEMICAL WEAPONS DESTRUCTION



## PCAPP OPERATIONS: NEUTRALIZATION/ BIOTREATMENT PROCESS TAKES PLACE IN THREE MAIN PLANT AREAS

### 1. ENHANCED RECONFIGURATION BUILDING

- Munitions brought from storage, unpacked
- Energetics (propellant, fuzes and bursters) removed
- Energetics shipped offsite for treatment
- Munition bodies transferred to Agent Processing Building

### 2. AGENT PROCESSING BUILDING

- Agent washed from munitions with high-pressure water
- Agent neutralized with hot water in large titanium reactor vessels
- Hydrolysate transferred to Biotreatment Area
- Munitions bodies are thermally treated, shipped for recycling

### 3. BIOTREATMENT AREA

- Hydrolysate fed to microbes in bioreactors
- Microbes eat mixture; by-products are a variety of salts
- Salts dried and shipped to permitted disposal facilities
- Water recycled into the plant

